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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP01/03488

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	FIFICATION OF SUBJECT MATTER C1 <sup>7</sup> H01L33/00		
According to	o International Patent Classification (IPC) or to both na	tional classification and IPC	·
B. FIELDS	SEARCHED	· ·	
Minimum do Int.	ocumentation searched (classification system followed Cl <sup>7</sup> H01L33/00, H01S5/00-5/50	by classification symbols)	
Jits Koka	ion searched other than minimum documentation to the uyo Shinan Koho 1965-1996 i Jitsuyo Shinan Koho 1971-2001	Jitsuyo Shinan Toroku K Toroku Jitsuyo Shinan K	oho 1996-2001 oho 1994-2001
Electronic d	ata base consulted during the international search (nam	e of data base and, where practicable, sea	rch terms used)
C. DOCUI	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	<u> </u>	Relevant to claim No.
Х	JP 5-315651 A (Rohm Co., Ltd.),		1,2
Y A	26 November, 1993 (26.11.93), Par. No. 0012, (esp., line 39)	:	3,8,9 4-7,10-13
A	(Family: none)		4-7,10-13
Y	JP 9-36435 A (Rohm Co., Ltd.),		3,8,9
!	07 February, 1997 (07.02.97),		
	Par. No. 0029 (Family: none)		
Y	CD-ROM of the specification and request of Japanese Utilit No.90895/1991 (Laid-open No.368 (Stanley Electric Co., Ltd.),	y Model Application	3,8,9
	18 May, 1993 (18.05.93), Par. No. 0013 (Family: none)		
Y	Microfilm of the specification the request of Japanese Util No.109204/1990 (Laid-open No.65 (Citizen Denshi K.K.),	Lity Model Application	3,8,9
	08 June, 1992 (08.06.92),	,	
	Fig. 4 (Family: none)		
Furthe	r documents are listed in the continuation of Box C.	See patent family annex.	
	categories of cited documents: ent defining the general state of the art which is not	"T" later document published after the inte priority date and not in conflict with th	
conside	red to be of particular relevance document but published on or after the international filing	"X" understand the principle or theory under "X" document of particular relevance; the o	
date		considered novel or cannot be considered step when the document is taken alone	red to involve an inventive
cited to establish the publication date of another citation or other special reason (as specified)  "Y" document of particular relevance; the claimed invention cann considered to involve an inventive step when the document is			claimed invention cannot be when the document is
"O" docume means	ent referring to an oral disclosure, use, exhibition or other	combined with one or more other such combination being obvious to a person	
"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed :			family
Date of the actual completion of the international search 12 July, 2001 (12.07.01)		Date of mailing of the international sear 24 July, 2001 (24.07	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Faccionile M		Telephone No	•

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ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 9-314589 A (Bridgestone Corporation), 09 December, 1997 (09.12.97), Par. Nos. 0011, 0019 (Family: none)	8,9
Y	JP 10-76546 A (Nitto Boseki Co., Ltd.), 24 March, 1998 (24.03.98), Par. No. 0009 (Family: none)	8,9
A	JP 7-86455 A (Toshiba Corporation), 31 March, 1995 (31.03.95), Par. No. 0018; Fig. 2 (Family: none)	4-7
· A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No.123178/1980 (Laid-open No.47059/1982), (Hitachi, Ltd.), 16 March, 1982 (16.03.82), Fig. 2 (Family: none)	10-13
A	CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No.37631/1992 (Laid-open No.90967/1993), (Stanley Electric Co., Ltd.), 10 December, 1993 (10.12.93), Fig. 1 (Family: none)	10-13
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